Ford Chemical
LABORATORY, INC.
Bacteriological and Chemical Analysis
40 WEST LOUISE AVENUE
SALT LAKE CITY, UTAH 84115
PHONE 466-8761

DATE: 07/15/86

CERTIFICATE OF ANALYSIS

KC MATERIALS
2812 KENTUCKY AVE.
SALT LAKE CITY, UT
84117

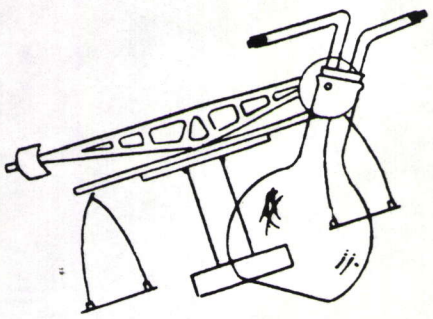
86-005912

SAMPLE: SOIL SAMPLE RECEIVED 7-3-86 FOR ANALYSIS UNDER P.O. #5480.

RESULTS

pH Units (1:1 Ratio) SM423	7.70

FORD CHEMICAL LABORATORY, INC.



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UT-ECOL SCI-2
(Rev. 3/83)
File: 190-19

RANGE CONDITION RECORD

USDA
Soil Conservation Service
Write-up No. 1

Site Name Upland gravelly loam Ranch Lone Star
Soil Taxonomic Unit Abela loam Profile No.
Elevation 4800-4900 Exposure East Vegetative Aspect
Field Office Tooele Location: T. 25 R. 6 W Sec. 7 8 17 18 1/4 1/4
Range Conservationist: Carlos Bacon Date: 7-21-86

(1) Plant Group	(2) Symbol or Common Plant Names	(3) % Present by wt.	(4) % Climax by wt.	(5) Proper use factor	(6) Weighted PUF
Grasses and Grass-like plants	Cheatgrass	5			
	Bluebunch wheatgrass	15			
	Sanberg blue grass	20			
	Indian Ricegrass	T			
	Bottlebrush Squirreltail	T			
	Three awn grass	T			
	Needle and thread	10			
	Three awn	10			
% 60					
Forbs or Weeds	Fillaria	2			
	prickly lettuce	2			
	Sunflower	T			
	Thistle	1			
	wild onion	T			
	w.t. st. flower Sage Lilly	T			
	Estragulus	T			
	indian paintbrush	T			
	phlox				
% 5					
Trees and Shrubs	Big Sagebrush	20			
	Littleleaf yellowbrush	5			
	Juniper	10			
% 35					
100	TOTAL				

Total Annual Yield _____ lbs/Ac. air-dry
(Understory if woodland)

CONDITION CLASS INDICATORS:

Evaluate each indicator in relation to climax for the site. (Circle those that apply).

% Climax Vegetation	Accelerated Erosion	Population Density	% Plant Diversity	Condition Rating
100-76	None	3/4 to full	100-76	Excellent (Climax)
(75-51)	Slightly Active	1/2 to 3/4	75-51	(Good (Late seral)
50-26	Moderately Active	1/4 to 1/2	50-26	Fair (Mid seral)
25-0	Severely Active	0 to 1/4	25-0	Poor (Early sera

TREND INDICATORS:

Plant Vigor: good
Seedlings and young plants: some new plants noted
Litter and mulch:
Condition of soil surface:
Apparent Trend: (Improving) Declining Static

EROSION COMPUTATION DATA

Bare Ground 15 %
Surface Fragments 10 % = 100%
Ground Cover 65 %
(Litter and vegetation within 1 inch of soil surface)

Height of canopy: 0 (0) 0.5m 2m 4m
Canopy Cover: 0 25% 50% 75%
Slope ____ % Slope Length ____ ft.

R ____ K ____ LS ____ C ____ T ____

Wind Erosion Data: Climate ____ Soil WEG ____
Unsheltered distance ____ Veg. Cover ____

Soil Loss (sheet and rill) ____ tons/acre/yea
Soil Loss (gully erosion) ____ tons/acre/yea
Soil Loss (wind) ____ tons/acre/yea

USE DATA

Use History:
Kind of Animal:
Season of Use:
Burning History:

Present Utilization ____ % of ____ (key species)
Estimated Utilization Efficiency: ____ %

Notes:

Soil Clay
Si: 51%
al 22-27%